

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	641	29/25.35.ccls. and (ultrasound or ultrasonic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/12 09:47
L2	72	29/25.35.ccls. and (ultrasound or ultrasonic) and conductive layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/12 09:47
L3	1	("5488954").PN.	USPAT; USOCR	OR	OFF	2009/11/12 09:49
L4	165	(310/335.ccls. or 600/463,459.ccls. or 29/25.35.ccls.) and (ultrasound or ultrasonic) and acoustic window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/12 09:51
L5	111	(310/335.ccls. or 600/463,459.ccls. or 29/25.35.ccls.) and (ultrasound or ultrasonic) and acoustic window and @ad< "20040402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/12 09:51

S1	1	"10599322"	US-PGPUB; USPAT	ADJ	ON	2009/03/19 11:17
S2	1	((BARRY) near2 (SCHEIER)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/03/19 11:43
S3	2	((KEVIN) near2 (WICKLINE)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/03/19 11:43
S4	165	((DAVID) near2 (BECKER)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/03/19 11:43
S5	7	((JEFFREY) near2 (HART)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/03/19 11:43
S6	2	((ALAN) near2 (HORNBERGER)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/03/19 11:44
S7	8	("4474184"   "4558706"   "4807634"   "5152294"   "5159931"   "5333612"   "5460179"   "5531119"). PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 11:45
S9	1	("4807634").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/19 11:50
S10	1	("4802458").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/19 13:35
S11	28	("0326941"   "2882503"   "3403671"   "3854471"   "4034744"   "4059098"   "4084409"   "4121843"   "4149419"   "4374525"   "4378945"   "4407293"   "4466444"   "4476874"   "4492120").PN. OR ("4802458").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 14:03
S12	19	("0326941"   "2882503"   "3403671"   "3854471"   "4034744"   "4059098"   "4084409"   "4121843"   "4149419"   "4374525"   "4378945"   "4407293"   "4466444"   "4476874"   "4492120").PN. OR ("4802458").URPN. and (layer or coat or film or cover) (covering or casing or lining)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 14:04
S13	14	"4762002"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 14:46

S14	1	("4762002").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/19 14:46
S15	1	layer with couple\$3 near3 reference potential and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/19 14:50
S16	21	("4248090"   "4391281"   "4543960"   "4579122"   "4579123"   "4615330"   "4649926"   "4676106"   "4692731").PN. OR ("4762002").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 14:56
S17	9	("4248090"   "4391281"   "4543960"   "4579122"   "4579123"   "4615330"   "4649926"   "4676106"   "4692731").PN. OR ("4762002").URPN. and conductive (layer or film or cover or sheet or coating) (embedded or fixed or soround\$4 or lining) acoustic window	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 14:57
S18	21	("4248090"   "4391281"   "4543960"   "4579122"   "4579123"   "4615330"   "4649926"   "4676106"   "4692731").PN. OR ("4762002").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:02
S19	1060	ultrasound transducer same fluid	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:11
S20	0	S19 and (gold or titanium or aluminum) conductive layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:12
S21	0	S19 and (gold or titanium or aluminum) conductive	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:12
S22	745	(gold or titanium or aluminum) conductive layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:12
S23	422	(gold or titanium or aluminum) conductive layer and coating	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:13
S24	28	(gold or titanium or aluminum) conductive layer with coating	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:13
S25	0	(gold or titanium or aluminum) conductive layer with coating and ultrasound	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:13
S26	43	"5,846,205"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/19 15:36

S27	1	("5,846,205").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/19 15:36
S28	0	ultrasound and conductive layer same couple near5 reference potential	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:39
S29	1369	600/459.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:40
S30	76	600/459.ccls. and conductive layer	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:40
S31	1	600/459.ccls. and conductive layer with potential	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:41
S32	14	600/459.ccls. and conductive layer with ground	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:41
S33	9	600/459.ccls. and conductive layer and acoustic window	US-PGPUB; USPAT	ADJ	ON	2009/03/19 15:44
S34	0	"1996006940"	US-PGPUB; USPAT	ADJ	ON	2009/03/19 16:39
S35	10	"6182341"	US-PGPUB; USPAT	ADJ	ON	2009/03/19 16:39
S36	1	("6182341").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/19 16:40
S37	1	("5465897").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/23 10:50
S38	7639	ultrasound transducer	US-PGPUB; USPAT	ADJ	ON	2009/03/23 11:56
S39	138	73/596.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/03/23 12:25
S40	47	73/596.ccls. and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/23 12:25
S41	2	73/596.ccls. and ultrasound and matching layer	US-PGPUB; USPAT	ADJ	ON	2009/03/23 13:11
S42	2	acoustic window with shielding	US-PGPUB; USPAT	ADJ	ON	2009/03/23 14:27

S43	4	("5000185"   "5701901").PN. OR ("6162178").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 14:29
S44	915	acoustic window	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 14:30
S45	1	acoustic window shield\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 14:30
S46	94	acoustic window with (shielding or lining or layer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 15:20
S47	69	acoustic window with (shielding or lining or layer) and ultrasound	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 15:41
S48	41	acoustic window with (shielding or lining or layer) and ultrasound probe	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 15:41
S49	10	"6182341"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:05
S50	1	("6182341").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/23 16:06
S51	11	("4651310"   "5327008").PN. OR ("6182341").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:07
S52	9	("4651310"   "5327008").PN. OR ("6182341").URPN. and ultrasound	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:07
S53	2	("4651310"   "5327008").PN. OR ("6182341").URPN. and ultrasound and fluid	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:08
S54	11	("4651310"   "5327008").PN. OR ("6182341").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:27
S55	2	("4651310"   "5327008").PN. OR ("6182341").URPN. window same reference	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:28
S56	38	("3401377"   "3943614"   "3980905"   "4054808"   "4383194"   "4385255").PN. OR ("4651310").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:35
S57	9	("3401377"   "3943614"   "3980905"   "4054808"   "4383194"   "4385255").PN. OR ("4651310").URPN. and acoustic window	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 16:36

S58	1	("5,415,175").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/23 18:08
S59	22	("4807634").URPN.	USPAT	ADJ	ON	2009/03/23 18:20
S60	8	("4474184"   "4558706"   "4807634"   "5152294"   "5159931"   "5333612"   "5460179"   "5531119"). PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:21
S61	0	acoustic window couple same reference	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:25
S62	0	acoustic window couple	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:25
S63	2	acoustic window same reference potential	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:25
S64	14	acoustic window same potential	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:26
S65	10	acoustic window same potential and ultrasound	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:27
S66	735674	window or lens same (reference or voltage) and ultrasound	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:40
S67	4776	(window or lens) same (reference or voltage) and ultrasound	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:41
S68	24	(window or lens) same (reference or voltage) potential and ultrasound	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 18:41
S69	102	"5415175"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/24 09:23
S70	1	("5415175").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 09:23
S71	1	("5083568").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 09:24
S72	0	("vacuumdepositionandultrasound").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 09:26

S73	650	vacuum deposition and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/24 09:26
S74	399	vacuum deposition and ultrasound and fluid	US-PGPUB; USPAT	ADJ	ON	2009/03/24 09:27
S75	1	("6182341").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 10:33
S76	1	("4807634").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 10:49
S77	10	conductive layer same thick\$4 with wavelength and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/24 11:04
S78	96	conductive layer same thick\$4 and ultrasound and angstroms	US-PGPUB; USPAT	ADJ	ON	2009/03/24 11:09
S79	0	conductive layer same thick\$4 and ultrasound and angstroms and frequency near4 tranducer same wavelength	US-PGPUB; USPAT	ADJ	ON	2009/03/24 11:09
S80	1	conductive layer same thick\$4 and ultrasound and angstroms same "1000" near2 "3000"	US-PGPUB; USPAT	ADJ	ON	2009/03/24 11:11
S81	39	conductive layer same thick\$4 and ultrasound and angstroms same "1000"	US-PGPUB; USPAT	ADJ	ON	2009/03/24 11:11
S82	5	"1000" with "3000" with angstroms and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/24 11:17
S83	1	("4802458").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 15:59
S84	1	("4802458").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 17:32
S85	1	"20020089262"	US-PGPUB; USPAT	ADJ	ON	2009/03/24 18:33
S86	1	("3742439").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/24 18:37

S87	329	conductive (coating or coat or film or cover) and (acoustic window or lens or opening) and (vacuum deposition or sputtering or vacuum evaporation or physical vapor deposition or arc vapor deposition or ion plating or laminating) and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 10:50
S88	10	"6182341"	US-PGPUB; USPAT	ADJ	ON	2009/03/25 10:58
S89	1	("6182341").PN.	US-PGPUB; USPAT	OR	OFF	2009/03/25 10:58
S90	721	conductive (coating or coat or film or cover or layer) same thick\$4 same wavelength and (acoustic window or lens or opening)	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:05
S91	21	conductive (coating or coat or film or cover or layer) same thick\$4 same wavelength and (acoustic window or lens or opening) and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:05
S92	0	conductive (coating or coat or film or cover or layer) same thick\$4 same frequency with tranducer with less and (acoustic window or lens or opening) and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:19
S93	0	conductive (coating or coat or film or cover or layer) same thick\$4 same frequency same tranducer same less and (acoustic window or lens or opening) and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:20
S94	0	conductive (coating or coat or film or cover or layer) same thick\$4 less with frequency with tranducer	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:27
S95	1	conductive (coating or coat or film or cover or layer) same thick\$4 with less with frequency with tranducer	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:27
S96	6	conductive (coating or coat or film or cover or layer) same thick\$4 same less same frequency same tranducer	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:28
S97	3	layer same "1000" with "3000" with angstrom\$1 and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:42



S98	0	conductive (coating or coat or film or cover) same thick\$4 with ("1000" or "3000" or "2000") with angstrom\$1 with ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:44
S99	6	conductive (coating or coat or film or cover) same thick\$4 same ("1000" or "3000" or "2000") same angstrom\$1 and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 11:44
S100	206	"1000" with angstroms and ultrasound	US-PGPUB; USPAT	ADJ	ON	2009/03/25 18:33
S101	113	"1000" with angstroms and ultrasound and conductive	US-PGPUB; USPAT	ADJ	ON	2009/03/25 18:34
S102	7	"1000" with angstroms and ultrasound same conductive	US-PGPUB; USPAT	ADJ	ON	2009/03/25 18:34
S103	2	"20080228082"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/11/06 11:21
S104	1	((BARRY) near2 (SCHEIRER)).INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/06 11:23
S105	2	((KEVIN) near2 (WICKLINE)).INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/06 11:24
S106	176	((DAVID) near2 (BECKER)).INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/06 11:24
S107	8	((JEFFREY) near2 (HART)).INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/06 11:25
S108	2	((ALAN) near2 (HORNBERGER)).INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/11/06 11:25

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